

TITLE

| Subclass | SIFICATIO | ۾ | ,<br>, , , , , , , , , , , , , , , , , , , |   |
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| U.S. UTILITY Patent Applic | ation       |
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| O.I.P.E.                   | PATENT DATE |
| 177                        |             |
| CCANNED ID QA ATT          |             |

|                 |            |       | 1        | ART UNIT | EXAMINER |
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| APPLICATION NO. | CONT/PRIOR | CLASS | SUBCLASS | 1765     | 200      |
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Philipp Steinmann Stuart Jacobsen Louis Hutter Fred Bailey **APPLICANTS** 

Method of integrating a thin film resistor in a multi-level metal tungsten-plug interconnect

PTO-2040 12/99

PATENT NUMBER

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|  | ISSUING C             | CLASSIFICATION   |
| ORIGINAL   | 1                     | CROSS REFERENCE(S)   |
| CLASS SUBCLASS   | CLASS                 | SUBCLASS (ONE SUBCLASS PER BLOCK)  |
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| INTERNATIONAL CLASSIFICATION   |                       | The second secon |
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| <b>经国际公司</b>   | Section of the second |  |
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| TERMINAL   | DRAWINGS                      |         | CLAIMS ALLOWED   |  |
|--|-------------------------------|---------|--|--|
| DISCLAIMER   | Sheets Drwg. Figs. Drwg. Prin | nt Fig. | Total Claims Print Claim for O.G.  |  |
| The term of this patent beequent to (date) as been disclaimed.                         | (Assistant Examiner)          | (Date)  | NOTICE OF ALLOWANCE MAILED   |  |
| The term of this patent shall be exercised beyond the expiration date U.S. Patent: No. |                               |         | ISSUE FEE Amount Due Date Paid   |  |
|  | (Primary Examiner)            | (Date)  | The state of the s |  |
|  |                               |         | ISSUE BATCH NUMBER   |  |
| his patent have been disclaimed.   | (Legal Instruments Examiner)  | (Date)  |  |  |